

20000712.ba v02_n946.bam.20000712

>From ???@??? Wed Jul 12 17:35:07 2000 -0500
Message-Id: <200007122233.e6CMXf003072@sco.theporch.com>
Date: Wed, 12 Jul 2000 17:31:31 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2946

BOATANCHORS Digest 2946

Topics covered in this issue include:

- 1) RE: 100V Question
by James Hanlon <knjhanlon@uswest.net>
- 2) RE: Product Detector for 75A3
by James Hanlon <knjhanlon@uswest.net>
- 3) Manual for 75A3 Product Detector
by Don Reaves <dr@cei.net>
- 4) Re: Looking for NOS paper caps
by Jack Harper <jharper@bsi2000.com>
- 5) Re: Looking for NOS paper caps
by "Steve" <scb@fly.hiwaay.net>
- 6) Re: Looking for NOS paper caps
by Dan <hankarn@pacbell.net>
- 7) Re: Looking for NOS paper caps
by John Kolb <jlkolb@cts.com>
- 8) Capacitors for Beginners
by Arden Allen <gumbear@pacbell.net>
- 9) Introduction to Capacitors
by Arden Allen <gumbear@pacbell.net>
- 10) Re: 100V fun
by Arden Allen <gumbear@pacbell.net>
- 11) Pole Pigs
by Ronnie Hull <w5sum@nwla.com>
- 12) Re: Pole Pigs
by jackiv@juno.com
- 13) Re: Pole Pigs
by w5sum@nwla.com
- 14) RE: Product Detector for 75A3
by Al Parker <anchor@coastalnet.com>
- 15) Re: Pole Pigs
by Jack Harper <jharper@bsi2000.com>
- 16) Re: carnivorous lawyer sea
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
- 17) Re rebuilding condensers
by philip mccooy <dgnova@erols.com>
- 18) Re: Looking for NOS paper caps

- by "Roberta J. Barmore" <rbarmore@email.msn.com>
- 19) Re: Pole Pigs
by Arden Allen <gumbear@pacbell.net>
 - 20) Re: Re rebuilding condensers
by Arden Allen <gumbear@pacbell.net>
 - 21) Rebuilding Capacitors
by "Robert G. Flory" <RobandPJ@compuserve.com>
 - 22) Hallicrafters Manuals for Sale
by Steve Berg <z931086@corn.cso.niu.edu>

Message-ID: <396BE117.54765B44@uswest.net>
Date: Tue, 11 Jul 2000 21:08:07 -0600
From: James Hanlon <knjhanlon@uswest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: 100V Question
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob,

I don't know if this information will help you, but I'll try. The original 100 V has two microphone connectors. One is the "bulls-eye" type with a single hot lead and an outer, grounded shield. That's what I'm using with my high impedance crystal mikes, D-104, JT-30, etc. The other is a two pin connector that mates to an Amphenon MC2M connector. Pin 1 connects to the microphone input, pin 2 connects to the push-to-talk circuit. My 100V manual says that it wants a high impedance microphone, down to -65 db, with essentially flat response.

So once again, I'm using a crystal mike with a single conductor shielded cable and the shield is grounded to the 100V chassis at the mike connector. And I get no hum.

Good luck, it's a great rig. Let me know how it works out.

Jim, W8KGI

Message-ID: <396BE3BE.6385E239@uswest.net>
Date: Tue, 11 Jul 2000 21:19:26 -0600
From: James Hanlon <knjhanlon@uswest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Product Detector for 75A3

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Andy,

You may be thinking of the product detector made and sold by Universal Radio in Columbus. I have the 75A3 that belonged to "Gibby," the original proprietor of Universal and it has one of his product detectors in it. It does indeed plug in to the NFM socket, and the bfo frequency control comes out the front panel on a knob that is in the place of the original Collins emblem, top and center.

That's the good news. The bad news is that a mouse ate part of the mimeo instruction manual for the little gadget, no kidding. But the schematic is still there as are most of the directions for how to install it. If you like, I'll send you a copy. Please let me know your mailing address. (If you get an offer of another whole copy, I'd like to have one too.) If you decide you want to build one, I'll try taking a few pictures of it for you.

73,

Jim, W8KGI

Date: Tue, 11 Jul 2000 23:15:52 -0500 (CDT)
From: Don Reaves <dr@cei.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Manual for 75A3 Product Detector
Message-ID: <Pine.LNX.4.10.10007112239390.13956-1000000@wa5bbs.radiohome.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a complete copy of the manual for the Universal Product Detector, 5 single sided pages, one page of which is likely a copy of the ad Universal produced. My manual was produced on mimeograph paper (remember that technology!?) and the paper is like parchment. Experiments with different copy machines have been less than satisfactory for a nice copy. I'll try a scanner and see how it comes out. Anyone have access to software that will clean up a digital image? Anyone want a copy (usable but by no means perfect) send me your mailing address for paper, or email for an attachment.

Don Reaves W50R
Little Rock AR EM34
dr@cei.net

> (If you get an offer of another whole copy, I'd like to have
> one too.) If you decide you want to build one, I'll try

Message-Id: <4.1.20000711170636.040999a8@mail.bsi2000.com>
Date: Tue, 11 Jul 2000 17:08:16 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Jack Harper <jharper@bsi2000.com>
Subject: Re: Looking for NOS paper caps
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:51 PM 7/11/2000 -0500, Roberta wrote:

<snip>

>...and the various

>"gotchas" that apply anytime bypasses &c are "souped up" are still in the
>underbrush.

<snip>

Bobbi -- Could you please elucidate a bit further on the Gotchas that you
mentioned...

Regards

Jack, W0YJ (Friend to all things Hammarlund)

Jack Harper
BSI2000, Inc.
303-231-9095
303-898-6126 (Cellular)

Lakewood, Colorado USA

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Optical Cards for Access Control, Medical, and Financial Applications
Visit our Web Page: <http://www.bsi2000.com> (Last Update: 000108)

Message-Id: <200007120457.e6C4vwZ26997@mail.hiwaay.net>
From: "Steve" <scb@fly.hiwaay.net>

To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 11 Jul 2000 23:23:59 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Looking for NOS paper caps
CC: Old Tube Radios <boatanchors@theporch.com>

Greetings;

Re, NOS oily-paper rollcaps;

Been there, Done that. Perfect waste of time UNLESS the set is for display only! Otherwise you will wear out the hardware keeping it going. If it is going to be a player, order the small axial polyprops and conceal them inside vintage shells if this is important. Don't have a good answer for the drifty/burnt old carbon comp resistors tho'.

I have a pretty original RAO-6 that I still can't bring myself to recap yet. I turn it over, stare at the really nice workmanship and put it back on the shelf cold. My ex-hamshack BC-348 feeds my B/A "jones" meanwhile.

Good luck & 73; S.C.B.

Date: Tue, 11 Jul 2000 21:58:01 -0700
From: Dan <hankarn@pacbell.net>
Subject: Re: Looking for NOS paper caps
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <396BFAD9.832DAE1B@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bobbi, Thanks for you all inspiring post. There are tooooooooo many people here that overlook reality and have the 40X glass out trying to get "The Fly S--- out of the Black Pepper" and forget the fact that a lot of us are not degreed engineeress!!! and really only have an interest on how to get a piece of equipment up and running. Not trying to redesign it or re-enggneer it just "The Facts"

The spelling is intentional, because the ennginneers will point it out Hi.

The thread about paper caps, etc.etc. has been going for days. The jokes, the repeated quotes ad nausem, the total BS.

A legitimate post was made with some very interesting questions about staggered tuning of the A & non A and asking for the pros and cons. Any comments to the reflector "ZERO"

Did the lead go straight or did it have a bend in it? Did the electrons fall off on the curve? At HF????????????????????!!!!!!!!!!!!!!!!!!!!at gigs yep.

Why not come back down to earth and understand that a lot of guys out amongst the group are just looking for straight down to earth answers. Not trying to outsmart anyone, just trying to make the 40 or 50 year old radio come to life.

It was engineered a long time ago.

Hank KN6DI

Date: Tue, 11 Jul 2000 22:11:44 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Looking for NOS paper caps
Message-ID: <Pine.BSF.4.21.0007112209110.7821-100000@king.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 11 Jul 2000, Steve wrote:

> I have a pretty original RAO-6 that I still can't bring myself to
> recap yet. I turn it over, stare at the really nice workmanship and
> put it back on the shelf cold. My ex-hamshack BC-348 feeds my B/A
> "jones" meanwhile.

Recapped an RAO a few years ago - sure looked different with modern caps, all the metal clamps removed cause they don't fit the new, much smaller caps. Did manage to plug up most of the holes for the screw holes left by removing the clamps.

Only two of the caps were not leaky.

John

Date: Tue, 11 Jul 2000 23:39:01 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Capacitors for Beginners
To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <0FXK00BOKNRM9S@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

For those members not having a technical background and wanting information on capacitor issues there is a great website that has a nice introduction to the subject. Go to:

<<http://www.antiqueradio.org/recap.htm>>

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Tue, 11 Jul 2000 23:50:14 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Introduction to Capacitors
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXK00AZ80AFII@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

A very nice introduction to capacitor theory and characteristics can be had at:

<<http://www.nacc-mallory.com/techa5.htm>>

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Wed, 12 Jul 2000 01:47:33 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: 100V fun
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXK00IGTTPKQ9@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Bob;

> I have run across many pieces of equipment with grounded plugs with
> the ground pin cut off, but on this rig, the green wire was cut off
> under the chassis. I didn't get a jolt but did see sparks when I
> went to attach the ground clip of the scope to the chassis. Naturally
> the cut ground lead was cut off so short I will have to completely
> reconnect all 3 leads (in a rather tight space).

You can't be too careful when taking on a new project, especially when there is evidence that someone cut an idiot loose in it (was that a pun?). ALWAYS DO A COMPLETE SAFETY INSPECTION AND TAKE APPROPRIATE CORRECTIVE ACTION BEFORE POWERING UP ANYTHING THAT CAN KILL YOU. I'm sure we are all glad to be reading about the 100V and not your obit. Carry on.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <4.3.2.7.0.20000712065255.00a97a50@mail.nwla.com>
Date: Wed, 12 Jul 2000 06:55:56 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Ronnie Hull <w5sum@nwla.com>
Subject: Pole Pigs
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gentleman
after the heart break of finding my plate transformer bad, I put out a search for something to use with my 4-1000. I have several offers for "pole pigs" as I understand it these will run great off of 220 and give up to 7800volts at unlimited amperage. This is really more than I need. However.. I can afford them LOL.. .right now PW Dahl is out of reach!!

pros and cons on using these? I understand that this is one transformer that will kill you stone dead if you get across it.. on the other hand.. how well will they work in a plate supply?

75 too noisy in north louisiana this morning..

god bless and 73's

Ronnie

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Wed, 12 Jul 2000 07:17:09 -0500
Subject: Re: Pole Pigs
Message-ID: <20000712.072659.-314701.11.jackiv@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: jackiv@juno.com

GOOD DAY..There are "pole pigs" of all kinds, all are oil filled . to remove them from the can and letting the oil drain out is messy. I have done 2 of these, of the 7200 volt variety. Both were wound with the low voltage on the bottom and the high voltage was on the top in two windings or "pies" the lead from one pi to the other was the center tap the other 2 were the hv lines to the rectifiers. I was fortunate to have a friend (ham) in a large motor rewinding shop who put the thing in the back of the big bake oven for a week, then dipped it in varnish to finish it out. the varnish is needed for insulation and to quiet the buzzing laminations

When finished it was a 3600 volt full wave rectifier tx at about 1.5 amps. cold!

distribution txs are usually rated for 75% overload for 12 hours or more.

I expect comments so--- flame away.

One comment must be made, PCBs were used in MANY of the older txs. The smell will tell.

If one remembers the distinctive odor of the old multi- copy carbonless forms, thats it.

old jack

On Wed, 12 July 2000 06:55:56 -0500 Ronnie Hull <w5sum@nwla.com> writes:

> Gentleman
> after the heart break of finding my plate transformer bad, I put out
> a
> search for
> something to use with my 4-1000. I have several offers for "pole
> pigs" as
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> work in a plate
> supply?

>
> 75 too noisy in north louisiana this morning..
>
> god bless and 73's
>
> Ronnie
>

From: w5sum@nwla.com
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 12 Jul 2000 08:02:50 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Pole Pigs
CC: boatanchors@theporch.com
Message-ID: <396C262A.17482.1A810C@localhost>

Gentleman

I neglected to say that one of the pole pigs that is being offered to me is already out of the case, already cleaned up, and already varnish dipped.. and its free.. its just a 5 hour drive away from me LOL but what the heck I drove that long to get the one that just failed on me!!

thanks for all the help fellows!!

Ronnie

* *
* W5SUM - Ronnie Hull *
* ex: WN5AIA - WB5AIA *
* <http://www.glowbugs.com> *
* *

Message-Id: <3.0.6.32.20000712094024.0089d100@mail2.coastalnet.com>
Date: Wed, 12 Jul 2000 09:40:24 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Al Parker <anchor@coastalnet.com>
Subject: RE: Product Detector for 75A3
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

HI folks,

Here's my response to Andy a cupla days ago - if anyone wants an email attachment of the 2 pgs, let me know. they're abt 1100k in size total. I'd like any info you others can email, as I hope to do it for my 75A3 someday soon. Guess i shoulda sent my reply to the list.

Hi Andy,

I've got the Nov. 1960 CQ, which has "Modifying the 75A-3 rcvr for Improved SSB Reception" article by W.F. Mathemeier, W0VBR. I've got a turret socket and plan to build it for my A-3, but still waiting to get a roundtuit. It sounds like the one you're looking for.

I can scan it (2 pgs) & email it if you'd like, should come thru OK.

73,

Al, W8UT

New Bern, NC

BoatAnchors appreciated here

anchor@coastalnet.com

And remember; "-They don't make tubes nowadays like they used to..."

At 09:19 PM 07/11/2000 -0600, James Hanlon wrote:

>Andy,

>

>You may be thinking of the product detector made and sold by
>Universal Radio in Columbus. I have the 75A3 that belonged
>to "Gibby," the original proprietor of Universal and it has
>one of his product detectors in it. It does indeed plug in
>to the NFM socket, and the bfo frequency control comes out
>the front panel on a knob that is in the place of the
>original Collins emblem, top and center.

>

>That's the good news. The bad news is that a mouse ate part
>of the mimeo instruction manual for the little gadget, no
>kidding. But the schematic is still there as are most of
>the directions for how to install it. If you like, I'll
>send you a copy. Please let me know your mailing address.
>(If you get an offer of another whole copy, I'd like to have
>one too.) If you decide you want to build one, I'll try
>taking a few pictures of it for you.

>

>73,

>

>Jim, W8KGI

>

>

>

Message-Id: <4.1.20000712082347.06577aa0@mail.bsi2000.com>
Date: Wed, 12 Jul 2000 08:26:49 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Jack Harper <jharper@bsi2000.com>
Subject: Re: Pole Pigs
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:02 AM 7/12/2000 -0500, Ronnie wrote:

<snip>

>I neglected to say that one of the pole pigs that is being offered to
>me is already out of the case, already cleaned up, and already
>varnish dipped.. and its free.. i
<snip>

Ronnie & the List -- I am curious -- where do you find a used Pole Pig
anyhow? I would think that power companies would be horrified at the
potential liability of just giving you one or even selling you one -- we
live in a sea filled with carnivorous lawyers...

Regards

Jack, W0YJ (Friend to all things Hammarlund)

Jack Harper
BSI2000, Inc.
303-231-9095
303-898-6126 (Cellular)

Lakewood, Colorado USA

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Optical Cards for Access Control, Medical, and Financial Applications
Visit our Web Page: <http://www.bsi2000.com> (Last Update: 000108)

Date: Wed, 12 Jul 2000 10:46:49 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)

Message-Id: <200007121446.KAA04625@aa4rm.ba-watch.org.>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: carnivorous lawyer sea

If one were to go thru the yellow pages asking firms if they have a partner familiar with Ohm's Law, I bet half'd say of course - let me connect you for a \$300 consultation call with Mr Cunductostein.

#@!&ing lawyers

Message-ID: <396C8C93.F2DE150F@erols.com>
Date: Wed, 12 Jul 2000 11:19:47 -0400
From: philip mccooy <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re rebuilding condensers
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have rebuilt the condensers in a number of radios. Very simple.

Remove the cap from radio. Stick in oven. Heat to about 200 degrees. The wax will melt and you can using a two pairs of pliers, pull cap apart. Retain paper tube.

CAUTION: put tin foil or such under cap to catch dripping wax

Get small axial condenser, such as AES sells. Cut up newspaper. Rap new cap in enough paper to make snug fit, when inserted into the paper tube. Pour glue, I use duco cement, into the tube.

Get a candle, light it and when dripping, pour dripping wax into the tube, to seal insides.

Candle wax is not ideal, but will work. Bees wax is better of course, but not always available.

Philip McCoy dgnova@erols.com

Message-ID: <002301bfec1e\$e12c15c0\$c05e0387@satellite>
From: "Roberta J. Barmore" <rbarmore@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Looking for NOS paper caps
Date: Wed, 12 Jul 2000 11:33:14 -0500

Yayy!

A question about Condenser Gotchas!

...And a bit of amends to those who practice the *profession* of engineering in the explaining, to boot:

First off, the various and sundry design staffs (staves?) of National, Hammarlund, Hallicrafters, RME, Breting and yes, even The Radio Corporation Of America were very well aware that tyhe good ol' wax-daubed, rolled-up paper and foil condenser was not too real perfect a component, even with a little dabba this and that (even some PCB oils, sometimes, for those who enjoy fretting that issue) added in to help out. They had a known limited life and a known not-so-good dielectric, and some versions even had rather significant inductance.

But the price! And the (for the time) small size, and the general convenience of the things all added up to a very attractive package nevertheless. So what the good designer of radios did was, use 'em with care--like a mountain climber counting on a little piton or jamnut to take his whole weight, it took knowing *how* to use the part to make it work. (Punchline to an old joke, "Hitting the printing press with a hammer only cost you fifty cents, but I charge \$500.00 for knowing *where* to hit it with a hammer," and that's the way of good engineering; which you can't learn without getting your hands dirty, IMO).

Now, when you or I sit down with that ailing but still game HRO to do a condenserectomy and transplant, we are faced with a different "problem," namely that modern condensers are, in general, just astonishingly good compared to their predecessors.

And it can sneak right up on you. An old paper bypass condenser that, oh, has low reactance at 455 kc, sloowly becomes a very lossy resonant thing at several Mc/s, and acts like a bad RFC from there on up is *not* the same kinda thing as a sparkling new ceramic that has low Xc at 455 kc, a pretty sharp resonance in the VHF range (or lower, how long did you leave the leads?), and a few more dips and bobbles as we tune up in freq. Depending on where it is in the circuit and what all it was supposed to bypass, it might not even do as well as the leaky ol' wax job it replaced.

That's one example. Hank van Cleef has commented on this topic in the past, a lot better than I can, but in general, go at such things by thinking about the trade-offs the designer was making, both electrical and physical. It's often wise--especially at HF and up--to go for shorter leads if the new part allows (usually does), and it's a good idea to think about the values used; sometimes the OTs used more or less than we might expect and if so, think about *why* and how that might be affected by use of a more modern component.

Lead length is a big gotcha. Cheap ceramic condensers can be nonlinear but it does take some work to make them really act up (pushing the ratings, etc.). On the other hand, NP0 (or C0G) ceramics are very good; they just happen to cost more. Other things I've seen are voltage ratings (not, historically, very standardized and thus one can be led astray by what is marked on the old part) and lack of equalizing resistors on series electrolytic, which Frank Jones could get away with 'cos his 1930s one had higher leakage but you and I had better not try.

There is no magic to any of it; you get what you pay for and you reap what you sow. ...It's just sometimes the sow has kittens instead of piglets... ;) Which is pretty much exactly why you hadn't ought to buy a pig in a poke *and* why Arden's pointers to capacitor info are a good thing.

73,
--Bobbi

(Okay, the "sow...sow" pun only works in print. Drat!)

Roberta J. (Bobbi) Barmore KB9GKX "RJ" rbarmore@email.msn.com
SOWP 5598-TA * FISTS 3388 * ARRL * RSGB * WIA (soon as I renew!)
Builder, restorer and user of vintage keys and tube-type ham gear

Date: Wed, 12 Jul 2000 10:24:55 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Pole Pigs
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXL00845H0AE0@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Jack;

> Ronnie & the List -- I am curious -- where do you find a used Pole Pig
> anyhow?

You aren't likely to get a used PP from the power company but what about the metal recyclers they haul the transformers to? You could say you just need the raw materials to placate any worries. Is this a possible way?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Wed, 12 Jul 2000 10:32:42 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Re rebuilding condensers
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXL00C9II13PZ@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Phillip;

I like the idea of using beeswax to seal the new cap inside the old cap's exoskeleton. You can get beeswax at the hardware store plumbing section. Buy a toilet sealing gasket, the one that goes between the toilet outlet and the sewer line. There's enough beeswax in one of those to seal lots of caps. Maybe the reality of the rebuilt capacitor will be better than you expected as the wax melts out when the radio gets hot!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Wed, 12 Jul 2000 18:26:28 -0400
From: "Robert G. Flory" <RobandPJ@compuserve.com>
Subject: Rebuilding Capacitors
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200007121826_MC2-AC0C-4F3A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Hello and Thanks to all for their input.

In order to honor both the original performance of the radio, and at least some of the appearance, I think I am going to try rebuilding all the caps, since there are only about 30 in the radio. I intend to make it a working showpiece. After all, "A glowing valve gathers no dust."

Luckily, my wife had a heat gun sitting idle from a past artsy/craftsy phase, so I fired it up and successfully took apart my first cap. Success is a relative term, I got the insides out, but I did crush the cardboard cylinder a bit in the process, since I was just gripping it with my fingers, protected with a thick cloth. Next time I will try a little

tourniquet to grip it while I pull the guts by one of the leads. Any suggestions from the veterans?

When it comes to reassembly, I think the challenge is going to be recrimping the end of the tube. All suggestions gratefully accepted. The caps in the rig seem to have a uniform coat of wax all over them, with some showing some dripping. What would the original appearance have been? It=

is hard to imagine all that wax being on them when new, as they would probably have stuck together in a bin on a warm day.

I've got a nice chunk of beeswax I use for waxing my ox-driving whip. I got it at a horse harness shop. Vacuum tube radios are not the only old technology i enjoy.

Rob Flory

Message-ID: <396CEF95.C00F96A@corn.cso.niu.edu>
Date: Wed, 12 Jul 2000 17:22:13 -0500
From: Steve Berg <z931086@corn.cso.niu.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Hallicrafters Manuals for Sale
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While cleaning up my study, I found the following Hallicrafters factory manuals that are surplus to my needs.

They are:

Operating and Service Instructions for the S-102 Mark 1 (2 copies).

Operating and Service Instructions for the HT-40

Instructions for the SR-34 and SR-34AC

Operating and Service Instructions for the SX-101 Mark 1.

Operating and Service Instructions for the SX-101 Mark III (2 copies)

Operating and Service Instructions for the SX-101A (2 copies)

Instructions for the SX-101 Mark IIIA.

Operating and Service Instructions for the HT-23 Run 1

Operating and Service Instructions for the S85 and S-85U Marks 1A and 1B.

Operating and Service Instructions for the HT-20 Run 1

Operating and Service Instructions for the HT-31 Mark 1

Operating and Service Instructions for the HT-32A

Operating and Service Instructions for the HT-32 Mark 1

Operating and Service Instructions for the HT-33 Mark 1

I would like \$5 plus mailing expenses for each of these manuals. They are in very good condition.

73,

Steve WA9JML
sberg1@niu.edu

End of BOATANCHORS Digest 2946
